

(C) WPI / DERWENT

AN - 1992-257367 [31]
 AP - SU19894694496 19890523
 CPY - PRPA-R
 DC - E34 F09 L02
 DR - 1278-U 1502-U 1706-U 1719-U 1744-U
 FS - CPI
 IC - C04B28/04
 IN - MURDASOV-MURDA B D; RUDAKOVA G A
 MC - E31-K05C E31-K05D E33-B E33-C E34-D01 E34-D03 F05-A02B L02-D03
 M3 - [01] A220 A940 C101 C106 C108 C530 C550 C730 C801 C802 C803 C804 C805
 C807 M411 M782 M903 M904 M910 Q324 Q453; R01278-M R01502-M
 - [02] A111 A940 C108 C316 C540 C730 C801 C802 C803 C804 C805 M411 M782
 M903 M904 M910 Q324 Q453; R01744-M
 - [03] A111 A940 C017 C100 C730 C801 C803 C804 C805 C806 C807 M411 M782
 M903 M904 M910 Q324 Q453; R01706-M
 - [04] A111 A940 B115 B712 B720 B760 B813 C101 C108 C802 C804 C805
 C807 M411 M782 M903 M904 M910 Q324 Q453; R01719-M
 - [05] A111 A220 A940 B115 B713 B720 B813 B831 C101 C108 C802 C804 C805
 C807 M411 M782 M903 M904 Q324 Q453; 9231-F1501-M
 PA - (PRPA-R) PERM PAPER RES INST
 PN - SU1675270 A1 19910907 DW199231 C04B28/04 002pp
 PR - SU19894694496 19890523
 XA - C1992-114984
 XIC - C04B-028/04
 AB - SU1675270 The mixt. contains (in pts.wt.): Portland cement 1.0,
 fibrous wood waste (I) 0.3-1.0, sludge-waste from sodium hypophosphite
 prodn. (II) 0.7-1.1 and water 1.8-5.0. (I) is obtd. in the prodn. of
 hemicellulose by neutral-sulphite method on ammonium base and in the
 prodn. of paper base for corrugated paper. (II) contains (in wt.%):
 CaCO₃ 18, calcium phosphite (CaHPO₃·1.5H₂O) 30.40, sodium
 hypophosphite 0.17, Ca(OH)₂ 2.80, sodium phosphite (Na₂HPO₃·5H₂O)
 0.15, Na₂SO₄ 0.04, NaCl 0.01 and balance water. The components are
 mixed, the mixt. is formed into blanks and the blanks are vibrated on
 vibromill at frequency 2800/min. for 120 sec. and hardened for 28 days
 in dry air conditions.
 - Tests show that produced blanks have compressive strength after 28
 days 2.5-3.2 MPa and the cone shrinkage 2.7-3.0 cm.
 - USE/ADVANTAGE - In the prodn. of lightweight building materials, e.g.
 blocks, panels and boards. Articles of increased plasticity are obtd.
 by using simplified technology. Bul.33/7.9.9(Dwg. 0/0)
 CN - R01278-M R01502-M R01744-M R01706-M R01719-M 9231-F1501-M
 IW - START MIXTURE PRODUCE LIGHT BUILD ARTICLE CONTAIN PORTLAND CEMENT
 FIBRE WOOD WASTE HEMICELLULOSE PRODUCE SLUDGE SODIUM HYPOPHOSPHITE
 PRODUCE WATER
 IKW - START MIXTURE PRODUCE LIGHT BUILD ARTICLE CONTAIN PORTLAND CEMENT
 FIBRE WOOD WASTE HEMICELLULOSE PRODUCE SLUDGE SODIUM HYPOPHOSPHITE
 PRODUCE WATER
 INW - MURDASOV-MURDA B D; RUDAKOVA G A
 NC - 001
 OPD - 1989-05-23
 ORD - 1991-09-07
 PAW - (PRPA-R) PERM PAPER RES INST
 TI - Starting mixt. for prodn. of light building articles - contains
 Portland cement, fibrous wood waste from hemicellulose prodn., sludge
 from sodium hypophosphite prodn. and water

all max

Cement 1

Sludge 1

Sludge 1.1

H₂O 5

8.1